INTERNATIONAL CONFERENCE ON ADVANCES IN DIFFERENTIAL EQUATIONS AND NUMERICAL ANALYSIS (ICADENA-2025)

FEBRUARY 20-21, 2025

ORGANIZED BY
DEPARTMENT OF MATHEMATICS
PERIYAR UNIVERSITY, SALEM – 636 011
(NAAC 'A++' GRADE - NIRF RANK 56 - STATE PUBLIC UNIVERSITY RANK 25)

ORGANIZING COMMITTEE

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INVITED SPEAKERS

- **Prof. Jong Kyu Kim**
  Kyungnam University, South Korea.
- **Prof. Mohana Sundaram Muthuvalu**
  Universiti Teknologi Petronas, Malaysia.
- **Prof. Sashikumaar Ganesan**
  SERC, Indian institute of Sciene, Bengaluru.
- **Prof. Natesan Srinivasan**
  Indian Institute of Technology, Guwahati.
- **Prof. K. Balachandran**
  Bharathiar University, Coimbatore.
- **Prof. R. Sakthivel**
  Bharathiar University, Coimbatore.
- **Dr. S. Marshal Anthoni**
  Anna University Regional Centre, Coimbatore.

ADVISORY COMMITTEE

- **Dr. Jong Kyu Kim**
  Kyungnam University, South Korea.
- **Dr. Mohana Sundaram Muthuvalu**
  Universiti Teknologi Petronas, Malaysia.
- **Dr. K. Balachandran**
  Bharathiar University, Coimbatore.
- **Dr. R. Sahadevan**
  R I A S, University of Madras, Chennai.
- **Dr. P. Balasubramaniam**
  Gandhigram Rural Institute, Dindigul.
- **Dr. Sashikumaar Ganesan**
  Indian Institute of Science, Bengaluru.
- **Dr. Natesan Srinivasan**
  Indian Institute of Technology, Guwahati.
- **Dr. C. Selvaraj**
  Periyar University, Tamil Nadu, India.
- **Dr. R. Sakthivel**
  Bharathiar University, Coimbatore.
- **Dr. S. Marshal Anthoni**
  Anna University Regional Centre, Coimbatore.
- **Dr. K. Sakthivel**
  IIST, Thiruvananthapuram.
- **Dr. N. Barani Balan**
  Central University of Tamil Nadu, Thiruvarur.
- **Dr. S. Gnanavel**
  Central University of Kerala, Kasaragod.
- **Dr. L. Shangerganesh**
  National Institute of Technology, Goa.

ADDRESS FOR COMMUNICATION

Any correspondence regarding the conference has to be addressed to
Dr. P. PRAKASH
ORGANIZING SECRETARY OF THE ICADENA - 2025
DEPARTMENT OF MATHEMATICS
PERIYAR UNIVERSITY
SALEM, TAMILNADU - 636011.

ABOUT THE UNIVERSITY

The Government of Tamil Nadu established Periyar University in Salem on 17th September 1997 as per the provisions of the Periyar University Act, 1997. The University covers the area comprising four districts namely Salem, Namakkal, Dharmapuri, and Krishnagiri. The University obtained 12(B) and 2(f) status from the University Grants Commission, New Delhi and it was reaccredited by the NAAC with "A++" Grade in 2021. The University secured 56th rank among Indian Universities by MoE NIRF 2024.

The University is named after the Great Social Reformer E.V. Ramasamy, affectionately called as "Thanthai Periyar". The University aims at developing knowledge in various fields to realize the maxim inscribed in the logo "Arival Vilayum Ulagu" (Wisdom Maketh the World). "Holistic development of the students" is the primary objective of the University.

ABOUT THE DEPARTMENT

The Department of Mathematics is one of the departments functioning from the inception of Periyar University. The Department offers programmes of study and research leading to M.Sc., and Ph.D. degrees and is on a relentless march towards academic excellence. Based on the contributions towards research, UGC has granted SAP, DST has granted FIST and NBHM granted library grant to this department. The Department conducts various research activities in the following areas:

- Differential Equations
- Numerical Analysis
- Difference Equations
- Control Theory
- Stochastic Differential Equation
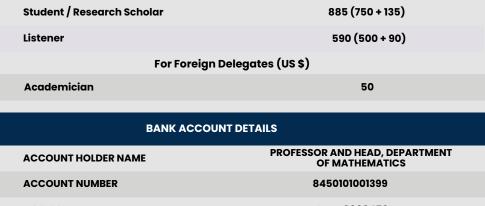- Bio Mathematics

CALL FOR PAPERS

The abstract(s) of research papers typed in LaTex format not exceeding 250 words need to be submitted through e-mail/google form to the convener of the conference.

VENUE & LOCATION

The conference will be held at Seminar Hall, Department of Mathematics, Periyar University, Salem. Salem is well connected by both road and rail. The University is situated at 10 Kms from Salem in the Bangalore - Kanyakumari National High way (NH 7). It is 300 Kms west of Chennai in the Chennai - Coimbatore Railway line and 200 Kms south west of Bangalore in the Bangalore-Salem railway line. Other places of interest are Yercaud (30Kms) and Hogenakkal (65Kms).

ACCOMMODATION

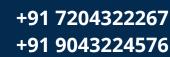Paid accommodation will be arranged to all the registered outstation delegates on receipt of advance payment.

THEME OF THE CONFERENCE

The conference aims to aspires to catalyze groundbreaking advancements in differential equations while strengthening the scientific foundations of artificial intelligence. It provides an exceptional platform for researchers, academicians, and industry professionals to share and discuss the latest innovations, emerging trends, critical challenges, and practical experiences face-to-face. The event seeks to promote the establishment of business and research collaborations, as well as international cooperation, offering effective solutions in domains such as ordinary, partial, and fractional differential equations, mathematical modeling, control and inverse problems, stochastic differential equations, numerical optimization, numerical analysis, image processing, and more.

Further focus will shift towards advanced methodologies and addressing open challenges that have repercussions across various domains, including partial differential equations, numerical analysis and applications.

Moreover, we encourage the presentation of innovative and advanced applications in science and engineering aiming to stimulate interdisciplinary collaboration and facilitate the exchange of insights between both fundamental scientific research and applied knowledge.

REGISTRATION

Registration fee is compulsory for all delegates. It includes conference materials, refreshments and lunch.

REGISTRATION LINK :
https://forms.gle/85k8qwpxJK4aDdtS9

Category of Delegate/Author(s)	Total (Registration fee + GST)
For Indian Delegates (INR)	
Academician	1180 (1000 + 180)
Student / Research Scholar	885 (750 + 135)
Listener	590 (500 + 90)
For Foreign Delegates (US $)	
Academician	50

BANK ACCOUNT DETAILS	
ACCOUNT HOLDER NAME	PROFESSOR AND HEAD, DEPARTMENT OF MATHEMATICS
ACCOUNT NUMBER	8450101001399
IFSC CODE	CNRB0008450
NAME OF THE BANK AND BRANCH	CANARA BANK, PERIYAR UNIVERSITY BRANCH SALEM

IMPORTANT DATES

- Deadline for submission of abstracts: February 10, 2025.
- Notification of acceptance : February 12, 2025.
- Deadline for Registration : February 15, 2025.

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